

Notice of Allowability

Application No.

10/713,905

Examiner

Adnan M. Mirza

Applicant(s)

TSAO, SHENG TED TAI

Art Unit

2145

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 07/05/2007.
2. ☒ The allowed claim(s) is/are 56-75.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


JASON CARDONE
SUPERVISORY PATENT EXAMINER

Reasons for Allowance

1. Claims 56-75 will be allowed.
2. The following is an examiner's statement of reasons for allowance.

The prior art references most closely resembling the applicants claimed invention are and Delaire et al (U.S. 6,952,698) and Heitman et al (U.S. 6,920,494).

First, Delaire discloses an improved SAN of type having one or more host digital data processors, coupled to one or more storage devices. At least a selected one of the hosts includes a file system that effects access by the host to assigned storage devices. However Delaire fails to disclose "the console support software and control management software of control station providing privileged user from web-browser on management console of console hosts to select the management objects of any IP SAN unit in virtual SAN storage pool and its associated storage devices, storage volumes, or network cards and status, any host system and its associated and status control station, its associated devices and status, and spared IP SAN units or spared hosts for managing and monitoring". These limitations are incorporated into all of the independent claims (claim 56).

Second Heitman discloses a storage area network (SAN) has one or more host digital data processors are coupled to one or more storage devices (e.g., LUNs) by an interconnect, e.g., a fibre channel-based fabric. However Heitman fails to disclose "the console support software and

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control management software of control station providing privileged user from web-browser on management console of console hosts to select the management objects of any IP SAN unit in virtual SAN storage pool and its associated storage devices, storage volumes, or network cards and status, any host system and its associated and status control station, its associated devices and status, and spared IP SAN units or spared hosts for managing and monitoring". These limitations are incorporated into all of the independent claims (claim 56).

In summary, the Examiner submits that neither Delaire, nor Heitman teaches all the limitations of independent claims in combination with other elements. Specifically prior art does not teach "the console support software and control management software of control station providing privileged user from web-browser on management console of console hosts to select the management objects of any IP SAN unit in virtual SAN storage pool and its associated storage devices, storage volumes, or network cards and status, any host system and its associated and status control station, its associated devices and status, and spared IP SAN units or spared hosts for managing and monitoring"; therefore, claim 56-75 have been deemed allowable over the prior art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Adnan Mirza whose telephone number is (571) 272-3885. The examiner can normally be reached on Monday through Friday from 9:30 A.M. to 6:00 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor Jason Cardone, can be reached on (571) 272-3933. The fax phone numbers for the organization where this application or proceeding is assigned are listed hereinbelow.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703)746-7239.

Customer service number is (866) 217-9197.



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